

surface of said radial bearing is [being] in contact with the inner circumferential surface of said [cylindrical portion] bearing fixing portion;

a gap serving as an oil reservoir between the inner circumferential surface of the core holding portion and the outer circumferential surface of said radial bearing, said gap being disposed on an opposite side of the bearing fixing portion from said bottom portion;

a stator core having an inner surface and an outer surface, the inner surface of said stator core contacting the outer circumferential surface of the core holding portion;

a thrust receiving plate disposed at said bottom portion of said cup-like bearing housing;  
and

a rotary shaft rotatably supported by said radial bearing in a state that an extreme end thereof is in contact with said thrust receiving plate.

2. (Amended) A motor in accordance with claim 1, wherein said bearing housing is formed by shaping a metal sheet by a drawing process.

3. (Amended) A motor in accordance with claim 1, wherein said cylindrical portion further comprises:

a step portion between the bearing fixing portion and the core holding portion, the core holding portion having a greater diameter than the bearing fixing portion, said radial bearing [is] made of a sintered oil-impregnated alloy[, and a gap, which may be used for storing oil to be impregnated into said radial bearing, is formed between the inner surface of said cylindrical portion of said bearing housing and the outer surface of said radial bearing].

4. (Amended) A motor in accordance with claim 1, wherein said bearing housing has a stepped part, [which is] located between [said] a bottom portion [thereof] of said bearing fixing portion and an end face of one end of said radial bearing, said rotary shaft includes a reduced-diameter portion, which is located [between an extreme end thereof] on an end of said

rotary shaft closer to said thrust receiving plate [and an end face of one end of said radial bearing], and a ring-like slipping-off preventing means [is] placed between said stepped part of said [radial] bearing housing and the end face of said radial bearing, while engaging said reduced-diameter portion of said rotary shaft.

5. (Amended) A motor in accordance with claim 1, wherein a flange-like portion, while bent outward, is formed on [the] an end of said bearing housing at which said bearing housing is opened, and rotor slipping-off preventing means is extended from a rotor of said motor toward said flange-like portion.

6. (Amended) A motor in accordance with claim 1, wherein axially elongated grooves are formed in the outer [surface] circumferential surface of said radial bearing or the inner [surface] circumferential surface of said bearing housing, said grooves communicating a space, which is formed by [the] an end face of one end of said radial bearing and said bottom portion of said cup-like bearing housing, with another space located closer to [the opening] an open end of said cup-like bearing housing.

7. (Amended) A motor in accordance with claim 1, wherein said motor includes a stator plate, said stator plate includes burring portions being arranged in a ring-like fashion, and said burring portions hold the outer [surface] circumferential surface of said bearing housing.

8. (Amended) A motor in accordance with claim 7, wherein said burring portions of said stator plate [holds] hold said bearing housing such that said bearing housing is movable in axial or circumferential directions.

B<sup>2</sup>

11. (Amended) A motor comprising:  
a rotor portion with a rotary shaft;  
a stator portion disposed facing said rotor portion;  
a cup-like bearing housing provided from a one piece metal material and integrally including a cylindrical portion and a bottom portion, the cylindrical portion having a bearing fixing portion;  
a radial bearing, held by said bearing fixing portion, rotatably supporting said rotary shaft in a radial directions while being held within said bearing housing, a gap serving as an oil reservoir and being defined by the cylindrical portion and an outer circumferential surface of the radial bearing at a portion opposite to the bottom portion relative to the bearing fixing portion, where a outer circumferential surface of a core holding portion of said bearing housing holds an inner circumference of a core of said stator portion; and  
a thrust bearing, disposed on said bottom portion, for supporting said rotary shaft in a thrust direction.

☒ Please add the following new claims:

B<sup>3</sup>

--14. A motor comprising:  
a cup-like bearing housing integrally including a cylindrical portion, a bottom portion and a hollow portion defined by said cylindrical portion and said bottom;  
a radial bearing held in said hollow portion while being in contact with an inner surface of said cylindrical portion;  
a thrust receiving plate disposed at said bottom portion of said cup-like bearing housing;  
and  
a rotary shaft rotatably supported by said radial bearing in a state that an extreme end thereof is in contact with said thrust receiving plate; wherein said bearing housing has a stepped part, which is located between said bottom portion thereof and an end face of one end of said radial bearing, said rotary shaft includes a reduced-diameter portion, which is located on an end

of said rotary shaft closer to said thrust receiving plate and ring-like slipping-off preventing means is placed between said stepped part of said radial bearing and the end face of said radial bearing, while engaging said reduced-diameter portion of said rotary shaft.

15. A motor comprising:

a cup-like bearing housing integrally including a cylindrical portion, a bottom portion and a hollow portion defined by said cylindrical portion and said bottom;

a radial bearing held in said hollow portion while being in contact with an inner surface of said cylindrical portion;

a thrust receiving plate disposed at said bottom portion of said cup-like bearing housing;  
and

a rotary shaft rotatably supported by said radial bearing in a state that an extreme end thereof is in contact with said thrust receiving plate; wherein a flange-like portion, while bent outward, is formed on an end of said bearing housing at which said bearing housing is opened, and rotor slipping-off preventing means is extended from a rotor of said motor toward said flange-like portion.

16. A motor comprising:

a cup-like bearing housing integrally including a cylindrical portion, a bottom portion and a hollow portion defined by said cylindrical portion and said bottom;

a radial bearing held in said hollow portion while being in contact with an inner surface of said cylindrical portion;

a thrust receiving plate disposed at said bottom portion of said cup-like bearing housing;

a rotary shaft rotatably supported by said radial bearing in a state that an extreme end thereof is in contact with said thrust receiving plate; wherein said motor includes a stator plate, said stator plate includes burring portions being arranged in a ring-like fashion, and said burring portions hold an outer surface of said bearing housing.

17. A motor comprising:

a cup-like bearing housing integrally including a cylindrical portion, a bottom portion and a hollow portion defined by said cylindrical portion and said bottom;

a radial bearing held in said hollow portion while being in contact with an inner surface of said cylindrical portion;

a thrust receiving plate disposed at said bottom portion of said cup-like bearing housing;

a rotary shaft rotatably supported by said radial bearing in a state that an extreme end thereof is in contact with said thrust receiving plate; wherein said burring portions of said stator plate hold said bearing housing such that said bearing housing is movable in axial or circumferential directions.

18. A motor comprising:

a cup-like bearing housing integrally including a cylindrical portion, a bottom portion and a hollow portion defined by said cylindrical portion and said bottom;

a radial bearing held in said hollow portion while being in contact with an inner surface of said cylindrical portion;

a thrust receiving plate disposed at said bottom portion of said cup-like bearing housing;

a rotary shaft rotatably supported by said radial bearing in a state that an extreme end thereof is in contact with said thrust receiving plate; wherein said bearing housing is fixedly coupled to said stator plate in a state that said bearing housing is set at a predetermined position of said burring portions and held by said burring portions.